

ABSTRACT

In a computer system a system of exchanging tokens for queue banks is created that permits a requestor to directly specify which queue bank is wanted. Only the desired
5 queue bank is withdrawn from a queue bank repository to accomplish this and no sorting or FIFO handling of queue banks is needed. The system uses a schema similar to a coat check room, where the requestor is given a token when the requestor wants to deposit a queue bank into the queue bank repository. The queue bank repository returns the queue bank when the token is returned by the requestor. In its most efficient form, two machine-
10 level instructions handle the entire operation, a withdraw instruction and a deposit instruction.